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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/532,493	04/25/2005	Hans-Christoph Magel	R.303666	4365
2119 RONALD E. G	7590 04/21/200 REIGG	EXAMINER		
GREIGG & GR	EIGG P.L.L.C. FAN STREET, UNIT (	HWU, DAVIS D		
ALEXANDRIA	•	JINE.	ART UNIT	PAPER NUMBER
			3752	
			MAIL DATE	DELIVERY MODE
			04/21/2008	PAPER

# Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Apı	plication No.	tion No. Applicant(s)			
Office Action Summary			/532,493	MAGEL, HANS-0	MAGEL, HANS-CHRISTOPH		
			aminer	Art Unit			
			ris D. Hwu	3752			
Period fo	The MAILING DATE of this commun or Reply	ication appears	on the cover sheet	with the correspondence a	ddress		
WHIC - Exter after - If NC - Failu Any (	ORTENED STATUTORY PERIOD F CHEVER IS LONGER, FROM THE M nsions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this comn period for reply is specified above, the maximum state or to reply within the set or extended period for reply reply received by the Office later than three months and ad patent term adjustment. See 37 CFR 1.704(b).	IAILING DATE of 37 CFR 1.136(a). nunication. atutory period will app will, by statute, cause	OF THIS COMMUN In no event, however, may ly and will expire SIX (6) Me the application to become	NICATION. a reply be timely filed  ONTHS from the mailing date of this ABANDONED (35 U.S.C. § 133).			
Status							
1) 又	Responsive to communication(s) file	ed on 16 July 20	007				
· ·		2b)⊠ This actio					
3)	Since this application is in condition	<i>,</i> —		atters, prosecution as to th	ne merits is		
٠,١	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Dispositi	on of Claims						
4)⊠	Claim(s) <u>15-18 and 20-28</u> is/are pen	iding in the app	lication.				
•	4a) Of the above claim(s) is/are withdrawn from consideration.						
	Claim(s) is/are allowed.						
	Claim(s) <u>15-18, 20-23 and 26-28</u> is/a	re reiected.					
· ·	Claim(s) <u>24 and 25</u> is/are objected to	=					
•	Claim(s) are subject to restrict		ction requirement.				
Applicati	on Papers						
	The specification is objected to by th	e Evaminer					
•	The drawing(s) filed on is/are:		d or h)□ objected t	o by the Evaminer			
10/	Applicant may not request that any obje	•	·	•			
			•	• •	PER 1 121(d)		
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
,	·	by the Exami	ior. Noto the attach	od Omeo Adden er femi f	102.		
	ınder 35 U.S.C. § 119						
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>							
2)  Notic 3)  Inform	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (F nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date <u>9/26/07</u> .	PTO-948)	Paper N	v Summary (PTO-413) o(s)/Mail Date of Informal Patent Application 			

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### Response to Amendment

1. Applicant's amendment and arguments of July 16, 2007 and the IDS of September 26, 2007 have been entered.

## Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 15-18, 21-23, and 26-28 are rejected under 35 U.S.C. 102(b) as being anticipated by Klugl et al.

Klugl et al. show a fuel injection system comprising a fuel injection nozzle which can be supplied with fuel by a high pressure fuel source 9, the nozzle having a movable nozzle piston 6 for opening and closing injection openings 8, an injection nozzle high pressure chamber 34, and an injection nozzle control chamber 54, a pressure boosting device connected between the fuel injection nozzle and the fuel source 9, the pressure boosting device having a movable pressure booster piston 23, a pressure booster work chamber 22 and a pressure booster high pressure chamber 29, and a filling connection 31 which is open for filling the chamber 29 when the fuel injection nozzle is closed and is closed when the fuel injection nozzle is open, wherein closure of the filling connection is coupled with the motion of the nozzle piston 6 in the opening direction as recited, and wherein the filling connection is located between the chamber 29 and the control

chamber 54; wherein the connection 31 is closed by the nozzle piston 6 when the fuel injection nozzle is open as recited in claim 16.

#### Claim Rejections - 35 USC § 103

- 4. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 5. Claim 20 is rejected under 35 U.S.C. 103(a) as being unpatentable over Klugl et al. in view of Boecking.

Boecking teaches a fuel injection system comprising a pressure booster high pressure chamber 3 having a filling connection 39 including a throttle to provide adequate pressure build up in the chamber. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have modified the device of Klugl et al. by providing a throttle in the filling connection as taught by Boecking to provide adequate pressure build up in the chamber.

#### Allowable Subject Matter

- 6. Claims 24 and 25 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Davis D. Hwu whose telephone number is 571-272-4904. The examiner can normally be reached on 8:00-4:30. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent

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Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Davis D Hwu/ Primary Examiner, Art Unit 3752